



Lesson Plan: Urban Legends Experiment and Mythbusters Extra Credit

Clarke N. Johnsen Junior High School, Utah

Topic: Encouraging Girls in Math and Science

Practice: Sparking Curiosity

Using this lesson plan, students working in small groups select three myths they would like to explore and develop experiments to prove or disprove each myth. This lesson plan aims to promote scientific exploration including: making hypotheses, designing a research plan, identifying necessary materials and measurement tools, and creating step-by-step instructions for the study methodology.

Following this lab lesson, for extra credit, individual students watch one of the episodes of the Discovery Channel show *Mythbusters* (also available online at http://dsc.discovery.com/fansites/mythbusters/mythbusters. html); each episode typically tests two or three common myths. For each myth, students list how the two main explorers in the show, Adam and Jamie, follow the six steps of the scientific method to find out if the myth is busted or supported by the evidence.

EXPERIMENT NUMBER 2: URBAN LEGEND OR SUPERSTITION BE	EING TES	ΓED:	
HYPOTHESIS:	<u> </u>		
SUPPLIES:			
PRECAUTIONS:			
STEP-BY-STEP INSTRUCTIONS:			
1.			
2			
3.			
4.			
5.			
 7. 			 -
URBAN LEGEND OR SUPERSTITION BI HYPOTHESIS:			
SUPPLIES:			
PRECAUTIONS:			
STEP-BY-STEP INSTRUCTIONS:			
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NAME: HOUR:
"MYTHBUSTERS" EXTRA CREDIT
Watch the Discovery Channel show "Mythbusters". Each show typically tests two or three urban legends or myths. For each myth tested, list how Jamie and Adam followed the six steps of the scientific method.
PROBLEM:
INFORMATION:
HYPOTHESIS:
EXPERIMENT:
Supplies:
Precautions:
Steps:
DATA:
CONCLUSIONS: ("Busted" or "Confirmed", etc.)
What did you think about the way they tested the myth? Would you have done anything differently?